

AMENDMENTS TO THE CLAIMS

The listing of claims below replaces all prior versions of claims in the application.

1. (Currently Amended) A video recording/reproducing apparatus with tuner, comprising:
 - a tuner for inputting a plurality of channels of radio frequency television signals and outputting a base-band television signal of a designated channel;
 - a modulator for modulating the base-band television signal outputted from said tuner;
 - an outputter for outputting the radio frequency television signal modulated by said modulator to a video displaying apparatus with tuner;
 - a searcher for searching an unused channel from among the plurality of channels, said searcher including a determiner to determine a used/unused status for predetermined channels that should be the unused channel;
 - a first setter for setting a frequency of the unused channel detected by said searcher to said modulator, said first setter setting a frequency of any one of the predetermined channels based on a result of determination by said determiner; and
 - a presetter for presetting a used channel included in the plurality of channels to said tuner after completing a frequency setting operation by said first setter;
 - a first displayer for selectively displaying channel numbers of the predetermined channels at a predetermined time interval when each of the predetermined channels is not determined as having the unused status by said determiner;
 - a selector for selecting any one of the predetermined channels; and

a second setter for setting a frequency of a channel selected by said selector to said modulator.

2. (Previously Presented) A video recording/reproducing apparatus with tuner according to claim 1, further comprising:

an instructor for instructing suspension of a presetting operation, which is to be enabled after completing the frequency setting operation by said first setter; and

a disabler for disabling said presetter in response to an instruction of said instructor.

3. (Cancelled)

4. (Cancelled)

5. (Currently Amended) A video recording/reproducing apparatus with tuner according to ~~claim 4~~ claim 1, further comprising a second displayer for displaying a channel number of a frequency having been set in said modulator.

6. (Currently Amended) A video recording/reproducing apparatus with tuner ~~according to claim 3, further comprising:~~ comprising:

a tuner for inputting a plurality of channels of radio frequency television signals and outputting a base-band television signal of a designated channel;

a modulator for modulating the base-band television signal outputted from said tuner;
an outputter for outputting the radio frequency television signal modulated by said
modulator to a video displaying apparatus with tuner;
a searcher for searching an unused channel from among the plurality of channels, said
searcher including a determiner to determine a used/unused status for predetermined channels
that should be the unused channel;
a first setter for setting a frequency of the unused channel detected by said searcher to said
modulator, said first setter setting a frequency of any one of the predetermined channels based on
a result of determination by said determiner;
a presetter for presetting a used channel included in the plurality of channels to said tuner
after completing a frequency setting operation by said first setter;
a generator for generating a character signal;
a combiner for combining the character signal generated by said generator with the
base-band television signal outputted from said tuner; and
a third setter for selectively setting frequencies of the predetermined channels to said
modulator at a predetermined time interval.

7. (Original) A video recording/reproducing apparatus with tuner according to claim 6,
further comprising a controller for controlling said generator to generate a character signal related
to a frequency having been set by said third setter.

8. (Original) A video recording/reproducing apparatus with tuner according to claim 6, further comprising a third displayer for displaying a channel number of a frequency having been set by third setter.

9. (Previously Presented) A video recording/reproducing apparatus with tuner, comprising:

a tuner for inputting a plurality of channels of radio frequency television signals and outputting a base-band television signal of a designated channel;

a modulator for modulating the base-band television signal outputted from said tuner;

an outputter for outputting the radio frequency television signal modulated by said modulator to a video displaying apparatus with tuner;

a determiner for determining used channel/unused channel for predetermined channels each of which should be the unused channel out of the plurality of channels;

a first setter for setting to said modulator a frequency of a channel which is determined to be the unused channel by said determiner;

a second setter for selectively setting frequencies of the predetermined channels to said modulator at a predetermined time interval when any of the predetermined channels is determined not be the unused channel by said determiner;

a generator for generating a character signal related to a frequency which is set by said second setter;

a combiner for combining the character signal generated by said generator with the base-band television signal outputted from said tuner;

an acceptor for accepting a selecting operation which selects any one of the predetermined channels in association with a setting process of said second setter; and

a third setter for setting to said modulator a frequency of a channel selected by the selecting operation.

10. (Previously Presented) A video recording/reproducing apparatus with tuner according to claim 9, further comprising a presetter for presetting a used channel included in the plurality of channels to said tuner after completing of a frequency setting operation by said first setter or said third setter.

11. (Previously Presented) A video recording/reproducing apparatus with tuner according to claim 10, further comprising:

an instructor for instructing suspension of a presetting operation, which is to be enabled after completing of the frequency setting operation by said first setter or said third setter; and

a disabler for disabling said presetter in response to an instruction of said instructor.

12. (Previously Presented) A video recording/reproducing apparatus with tuner according to claim 9, further comprising a first displayer for selectively displaying channel numbers of the

predetermined channels at a predetermined time interval when any of the predetermined channels is determined not to be the unused channel by said determiner.

13. (Previously Presented) A video recording/reproducing apparatus with tuner according to claim 12, further comprising a second displayer for displaying a channel number of a frequency which is set in said modulator by said first setter or said third setter.